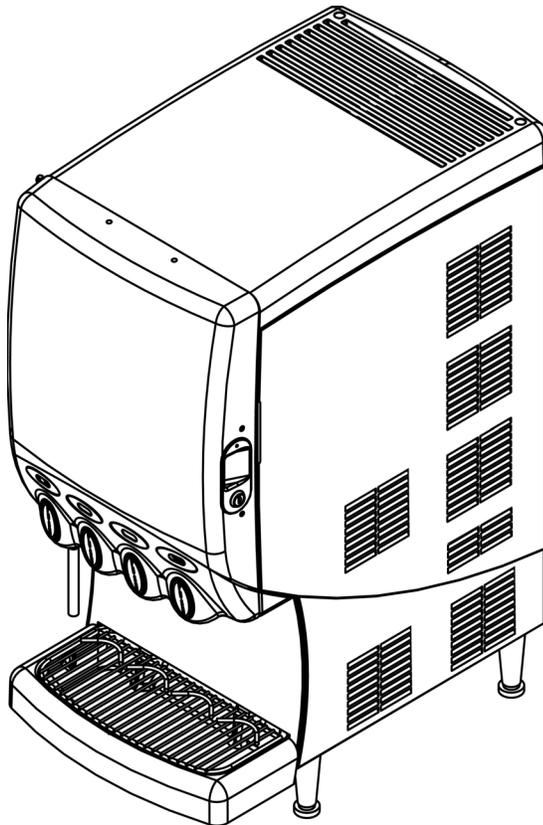




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# QUEST 4000

## ILLUSTRATED PARTS LIST



**Release Date: March 30, 2011**

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**Revision: K**

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The products, technical information, and instructions contained in this manual are subject to change without notice.

These instructions are not intended to cover all details or variations of the equipment, nor to provide for every possible contingency in the installation, operation or maintenance of this equipment. This manual assumes that the person(s) working on the equipment have been trained and are skilled in working with electrical, plumbing, pneumatic, and mechanical equipment. It is assumed that appropriate safety precautions are taken and that all local safety and construction requirements are being met, in addition to the information contained in this manual.

This Product is warranted only as provided in Cornelius' Commercial Warranty applicable to this Product and is subject to all of the restrictions and limitations contained in the Commercial Warranty.

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### **Contact Information:**

To inquire about current revisions of this and other documentation or for assistance with any Cornelius product contact:

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This document contains the original instructions for the unit described.

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# QUEST UNIT

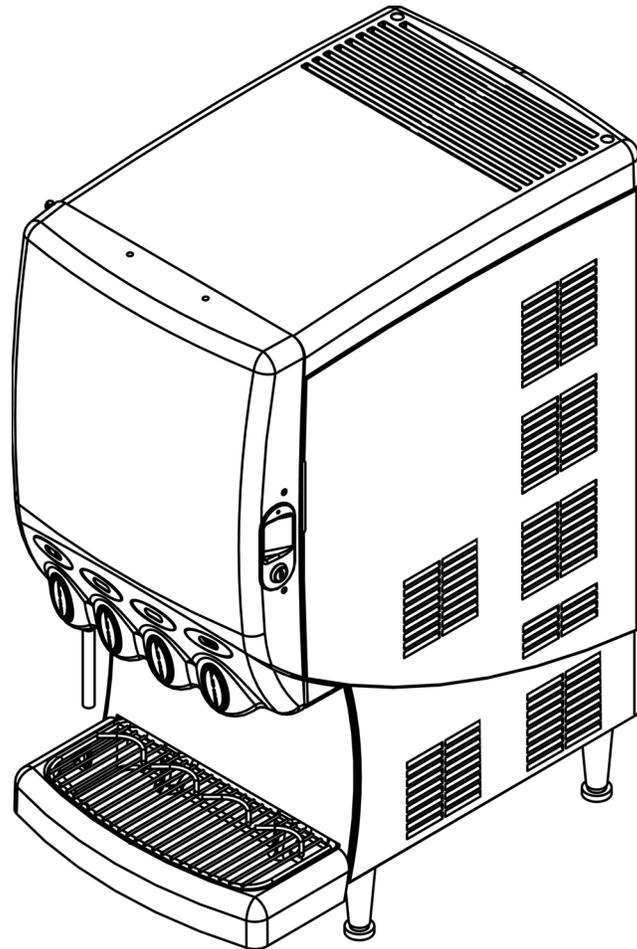


Figure 1.

Table 1. Top Quest 4000 Assembly

Part No.	Description	Model
721544214	Quest 4000, SLJ FLUSH, 4FL, 115/60, Pushbutton, Illuminated	QST 4000
721544215	Quest 4000, SLJ FLUSH, 4FL, 115/60, Portion Control, Illuminated	QST 4000

# 4FL FINAL ASSEMBLY

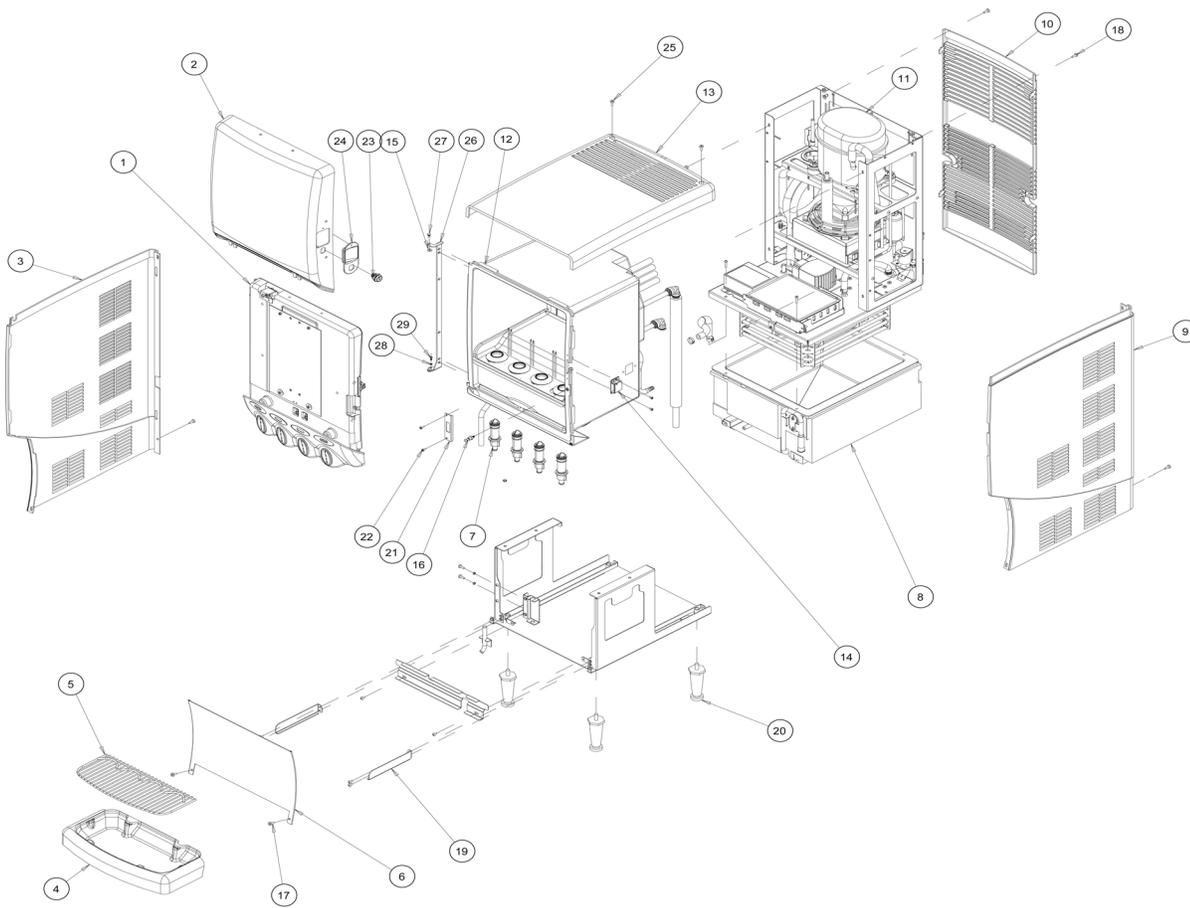


Figure 2.

Table 2. 4FL Final Assembly

Table 2. 4FL Final Assembly

Item	Part No.	Description
1	720522400	Door Assembly
2	720401345	Merchandiser Assy. 4 FL
3	720500302	Panel Side LH QST
4	720500104	Drip-Tray Quest Grey 4000
5	620708562	Cup Rest W/LOC Quest 2 STND 8.1 X
6	620049021	Panel Splash Guard QST2 4FL
7	720507102	Nozzle QST
8	620049093	Tank Foam Qste Finish 4FL
9	720500301	Panel Side RH QST
10	720500204	Panel,Back,QST 4000
12	620050420RC1	Cabinet Assembly Ref.
13	720500404	Panel Top QST4
14	720704004	Catch Cabinet Female
15	720500763	Washer Nylon .437ODX.1951ID
16	720702704	Pin- Hinge Threaded
17	0704105	Screw MA 08-32 TRPH 16 SS

Item	Part No.	Description
18	70178	Screw MA 08-32 TRPH 16 SS
19	620047429	Brkt, Drip Tray, Right, QST 2/4 FL
	620047428	Brkt, Drip Tray, Left, QST 2/4 FL
20	37958	Leg Level 4"
21	720201440	Brkt, Catch Strike Plate QST-NT
22	720701405	Screw TB D6-18 PAPH 12 SS
23	720703901	Lock Assembly
24	720601502	Handle-merchandiser, Quest
25	720702702	Pin- Hinge Threaded
26	620054457	Washer #6 Spring Lock SS
27	620054456	Screw 6-32 X 5/16 SS Fillis
28	620054466	Kit Literature Pkg Qste 4FL (Not Shown)
29	620054385	Harn Asy E-box Red Btm 4FL QST RC
30	620048959	Harn To Pwr Cord QSTE 2FL (Not shown)
31	620049320	Harn Combined Compressor Con- denser Qst Elite 2/4FL

## DOOR ASSEMBLY REFERENCE

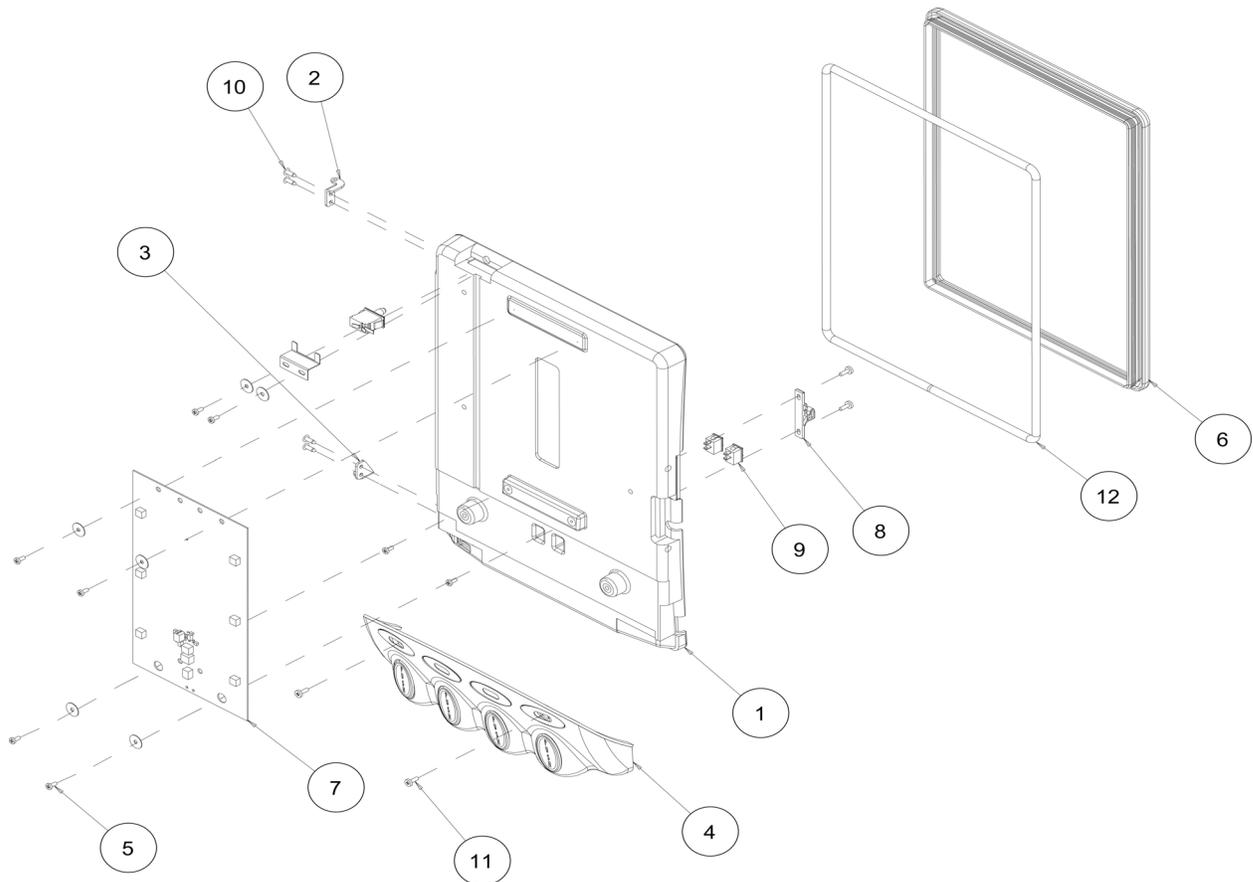


Figure 3.

Table 3. 4000 Door Assembly

Item	Part No.	Description
1	720500725	Panel Back Door Asy Foam QST
2	720500764	Hinge Plate Door Top Quest
3	620054383	Hinge Plate Door Botm Quest
4	720508704X	Lower Door Panel Assembly - Push Button
5	70171	Screw MA 08-32 TRPH 12 SS
6	720500710	Gasket Molded 4FL QUEST
7	620047679-100	Led Assembly
8	720704005	latch door male
9	720301104	Switch Rocker Sealed
10	400276	Rivet
11	704105	Screw MA 08-32 TRPH 16 SS
12	720703003	Insulation Polyethylene 3/8" C

# LOWER DOOR PANEL ASSEMBLY - PUSH BUTTON - P/N 720508704

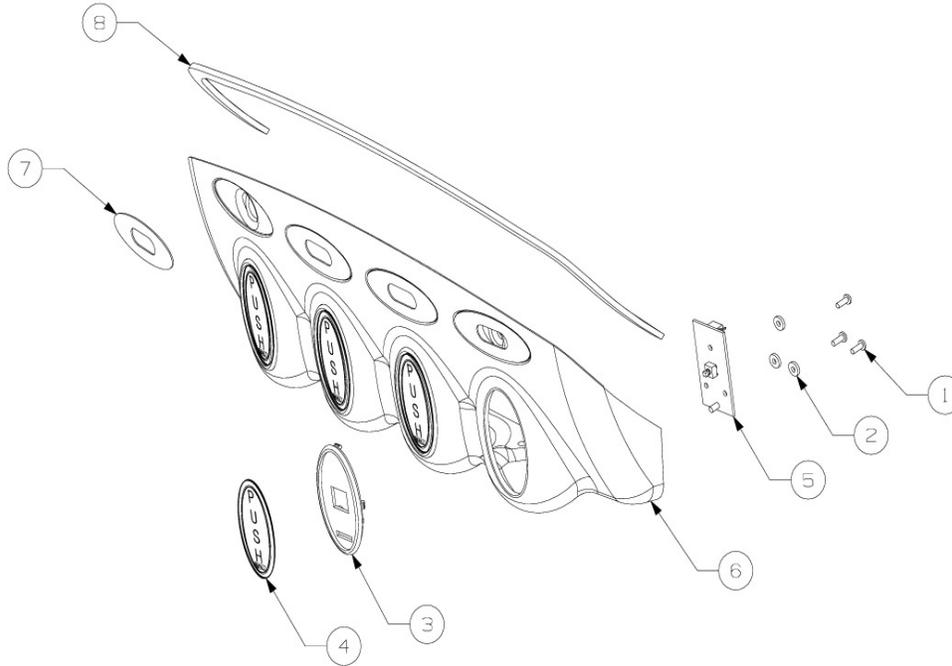


Figure 4.

Table 4. Lower Door Panel Assembly-Push Button

Item	Part No.	Description
1	0712901	Screw, #4 Type "B" BH
2	07301029	Nylon Flat Washer, 0.312" OD X 0.125 ID
3	720508502	Bezel, Push Button
4	720508601	Overlay "Push
5	720508801	Board, Push Button
6	720508904	Lower Door Panel
7	720511299	Kit Flav Strip Magnetic Recept
8	720703502	Foam Gasket

## LOWER DOOR PANEL ASSEMBLY-PORCION CONTROL

P/N 720508705

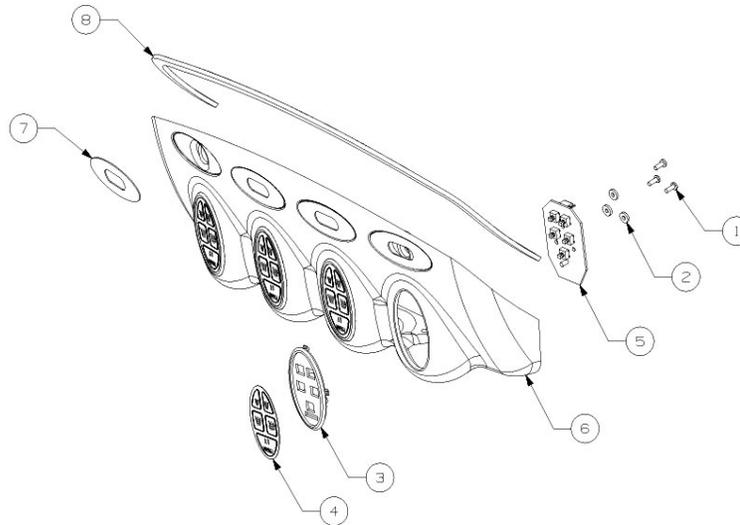


Figure 5.

Table 5. Lower Door Panel Assembly-Portion Control

Item	Part No.	Description
1	0712901	Screw, #4 Type "B" BH
2	07301029	Nylon Flat Washer, 0.312" OD X 0.125 ID
3	720508505	Bezel, Portion Control
4	720508602	Overlay, Portion Control
5	720508802	Board, Portion Control
6	720508904	Lower Door Panel
7	720511299	Kit Flav Strip Magnetic Recept
8	720703502	Gasket, Foam

# CABINET ASSEMBLY REFERENCE

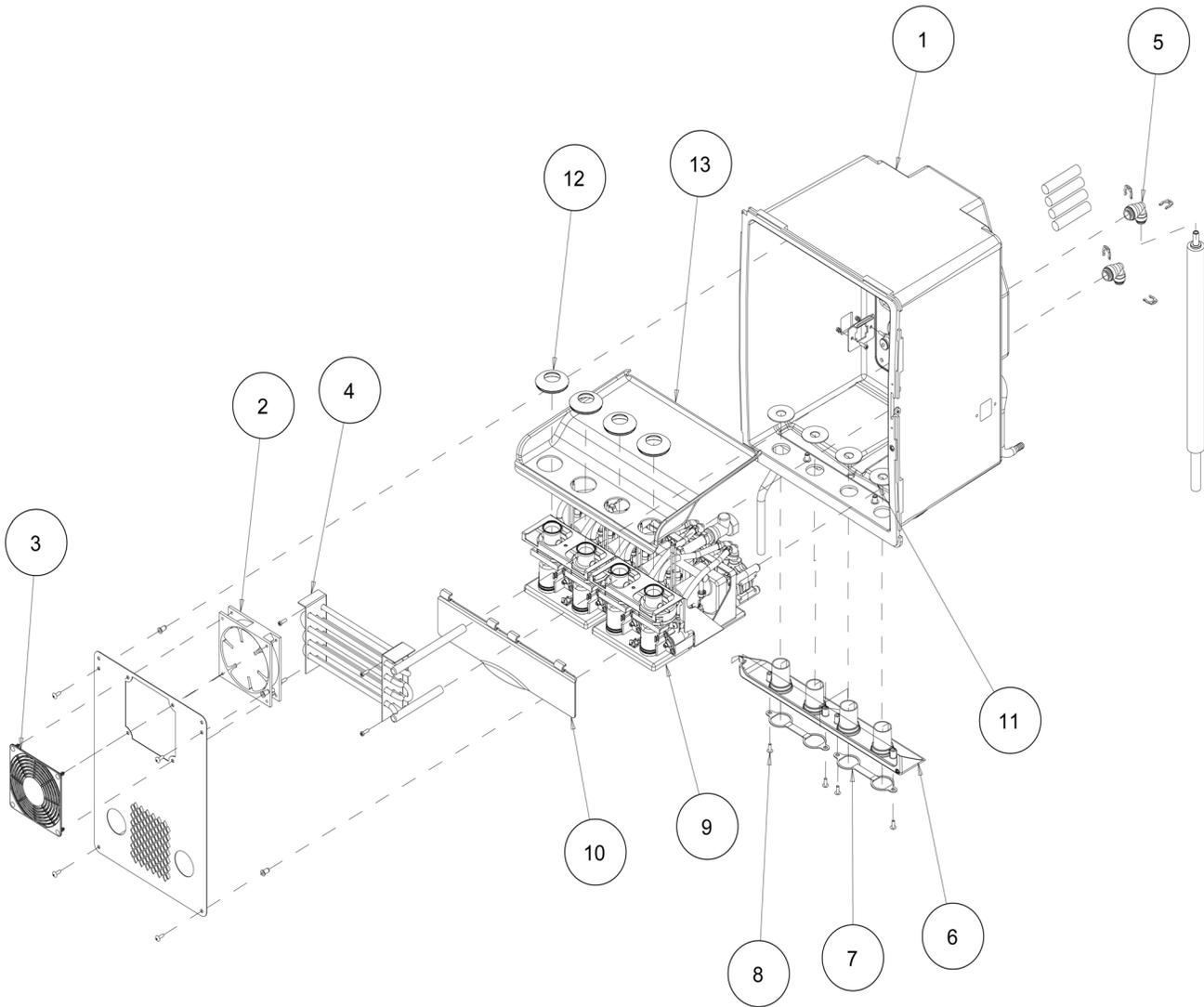


Figure 6.

Table 6. Cabinet Assembly

Item	Part No.	Description
1	720505404X	Cabinet Asy Foamed QST4
2	720506104	Fan-assy 115/60/50 4.7X4.7X1.0
3	620047512	Guard Fan EBM 9000 & 4000 SERI
4	620049556	Cabinet HX Assy, Qst Elite 2FL
5	720509206	Fitg-push Elbow 3/8 X 1/2 JG
6	720511401	Panel Lower Cabinet Quest 4000

Table 6. Cabinet Assembly

Item	Part No.	Description
7	720201479	Brkt Dual Nozzle Lock Qst
8	7040007	Screw MA, #8-32 PAPH 28 SS 18-8
9	720401801	Platform Asy M/F QST 4 SLTNT
10	720532101	Door Platform SLJ QST4 N-T
11	S3354	Gasket Sealing Bowl Spoutt
12	720703301	Grommet Rubber Platform QST SL
13	720201501	Shelf Cabinet QST 4 QST-NT

# TANK COVER ASSEMBLY

P/N 620049017

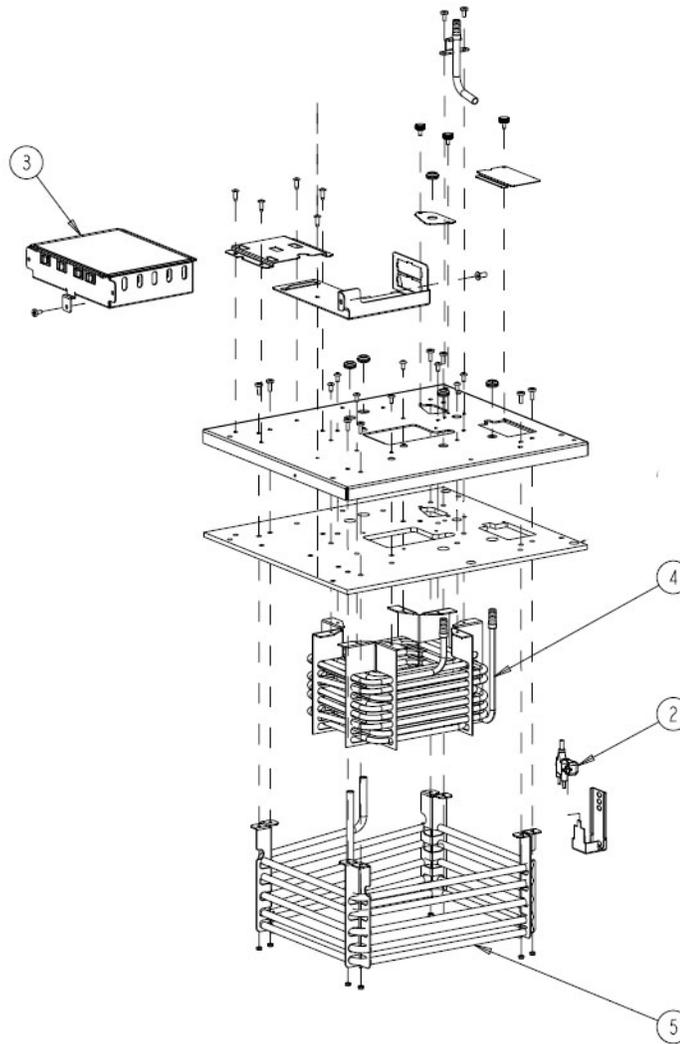


Figure 7.

Table 7. Tank Cover Assembly

Item	Part No.	Description
2	729011223	Kit Service Ice Probe Assy QSTE 4FL
3	720504304	Box Electric Assembly QUEST 2 SLJ
	720521000	Box Elec Asy DC QST2 QLT

Table 7. Tank Cover Assembly

Item	Part No.	Description
4	620049562	Coil, Water, QUEST Elite 4FL
5	620049564	Coil, Refrigeration QUEST Elite 4FL

# REFRIGERATION FRAME ASSEMBLY

## P/N 620048916 (115VAC)

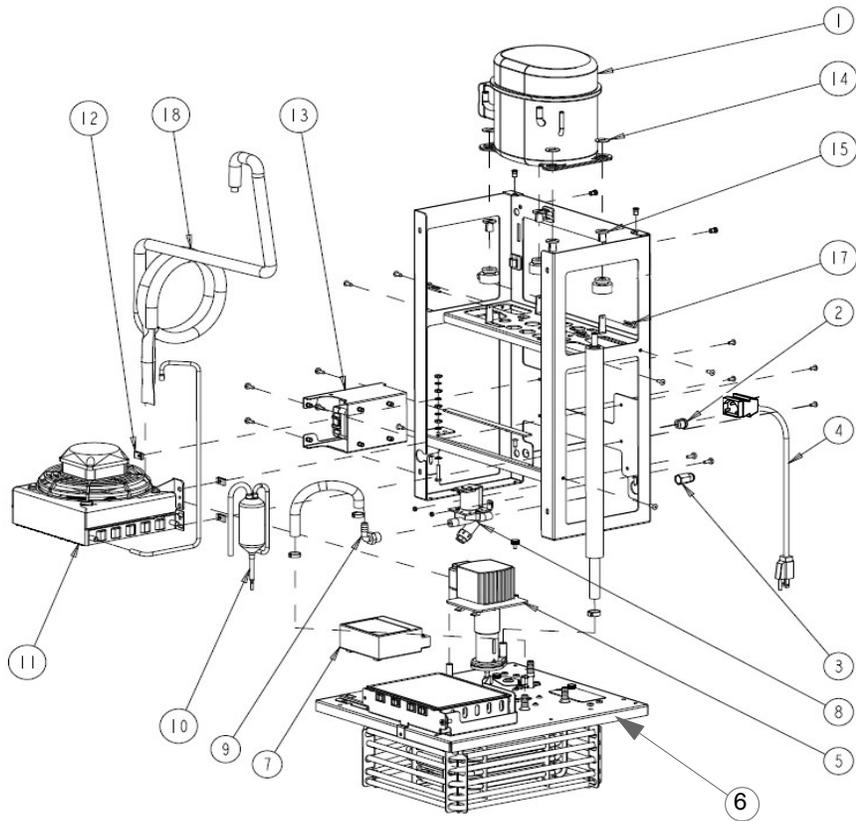


Figure 8.

Table 8. Refrigeration Frame Assembly

Item	Part No.	Description
1	729011215	Kit, 115 V Compressor & Filter Dryer
3	620048659	Adapter 1/4" FNPT To 3/8" Male Flare
4	620049959-001	Cord Serv 115V IEC60320-C13
5	620042742	Agitator Motor Assembly 115V
6	620049017	Cover Tank Assy QST2 4FL
7	440000911	Control Ice Bank Global 120/240V SMPS
8	620047891	Valve Water W/Solenoid, Quest Elite, 2/4FL
9	620049857	Reducer, Elbow, 1/4 FNPT x 3/8 Barb
10	620047114	2 Cubic Inches Filter Dryer
11	560004360	Motor- Fan 08w 120/60 Service
	560004368	Grille Cond Fan Small
	560004364	Shroud Cond Olympus Small
	560004366	Fan Axial Smal
12	6775	Clip Tin CB14-832-4
13	620047655	Transformer, 115V, Quest Elite 2/4FL

Table 8. Refrigeration Frame Assembly

Item	Part No.	Description
14	9649	Washer Comp Mount
15	317781000	Bushing, Split
17	08474	Clip Spring
18	620051404	Cap-tube/Heat Exchange Assy.

# PLATFORM ASSEMBLY SLJ FLUSH

## P/N 720401801X

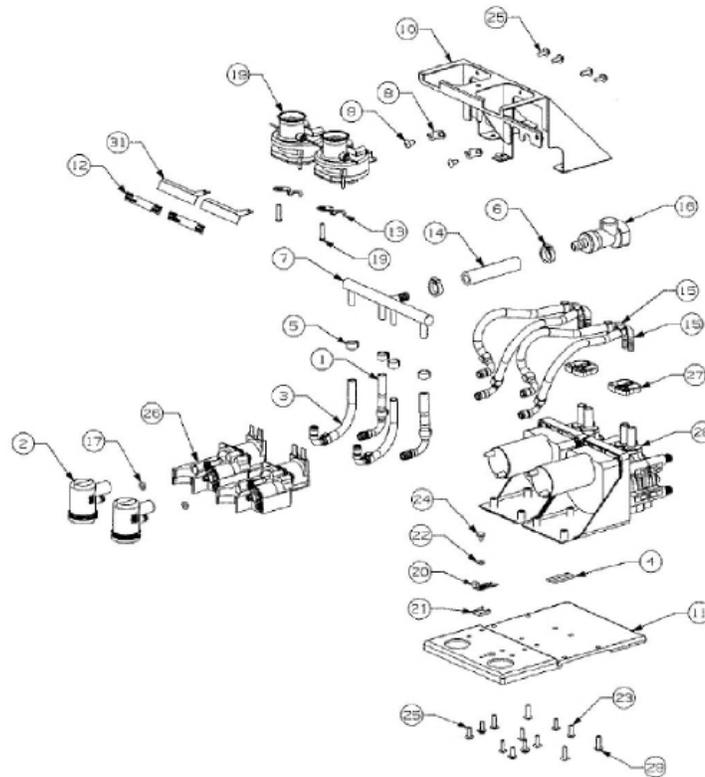


Figure 9.

Table 9. Platform Asy SLJ Flush

Item	Part No.	Description
1	720509104	Tube Assembly Water Valve Inlet
2	720500033	Chamber Mixing QST4
3	720509105	Tube Assembly Water Rinse Inlet
5	48114004	Clamp Oetr 413Open STPLS #10.5
6	48114002	Clamp Oetr 669 Open STPLS #17.0
7	720509304	Manifold Water SS QUEST 4
8	720704207	Washer Hold Down Hook RH Turn QST
9	0704101	Screw Machine 8-32 TRPH12 SS
10	720201433	Bracket Assembly Platform SLJ QST IHOP
11	720202704	Base Platform SLJ QST IHOP
12	720901004	Label Dispense/Flush QST
13	720704207	Washer Hold Down Hook RH Turn QST
14	49034	Tube TYGON 3/8 IDX 5/8

Table 9. Platform Asy SLJ Flush

15	720509103	Tube Assembly Suction Quest
16	720720498	Coupling In-line 3/8 ID HC35
17	31525003	O-ring 239 ID 070CS 60DU BU-N
18	11732	Harness Assembly Platform SLJ 1000
19	45026X	Adapter Bottle Assembly SL DIS P
20	45046	Latch #2 Medium SS
21	45047	Guide Latch #2 MED
22	45048	Washer Latch #2 MED
23	0704105	Screw MA 08-32 TRPH 16 SS
24	720701001	Rivet Platform Base QST
25	07032001	Screw #8-18 X 7/16 Type 25 HHW
26	45508200X	Valve Block AS QLT Generic
27	48195006	Clamp Hose.470 ID
28	45185X	Pump & Motor Assembly 3-Roller
29	0704107	Screw #8-30 2X 5/8 THMS SS
30	720501706	Cap Plug.093 ID X 50 Long 1/2 inch
31	720201434	Bracket Platform Label SLJ QST

# PUMP ASSEMBLY

## P/N 45185X

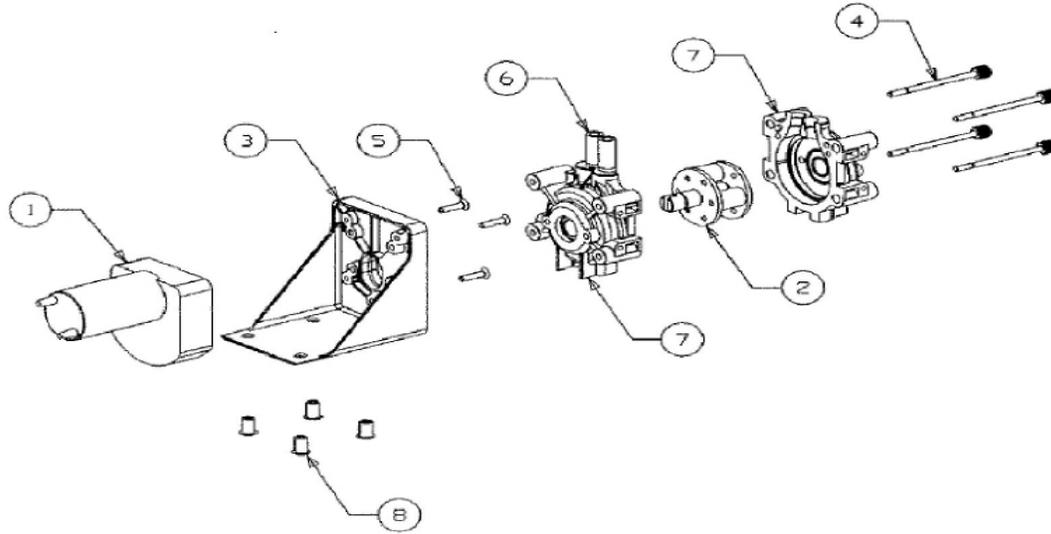


Figure 10.

Table 10. Pump Assembly

Item	Part No.	Description
1	45016001	Pump Gear Motor
2	45728001	Rotor Assembly (Thick Wall)
3	45050	Pump & Motor Mounting Block
4	70555	Screw MA 08-32 TRPH 84 SS
5	0702905	Screw #8X3/4" FHMS
6	45098	Pump Tubing Kit (Pump Tubing, Clamps & Instructions)
*	45078	Pump Assembly (Items 2 & 7)
7	45727	Pump Body, Front/Rear
8	45283	Rubber Bushing W/Nutsert Insert

# BOTTLE ADAPTER ASSEMBLY

## P/N 45026X

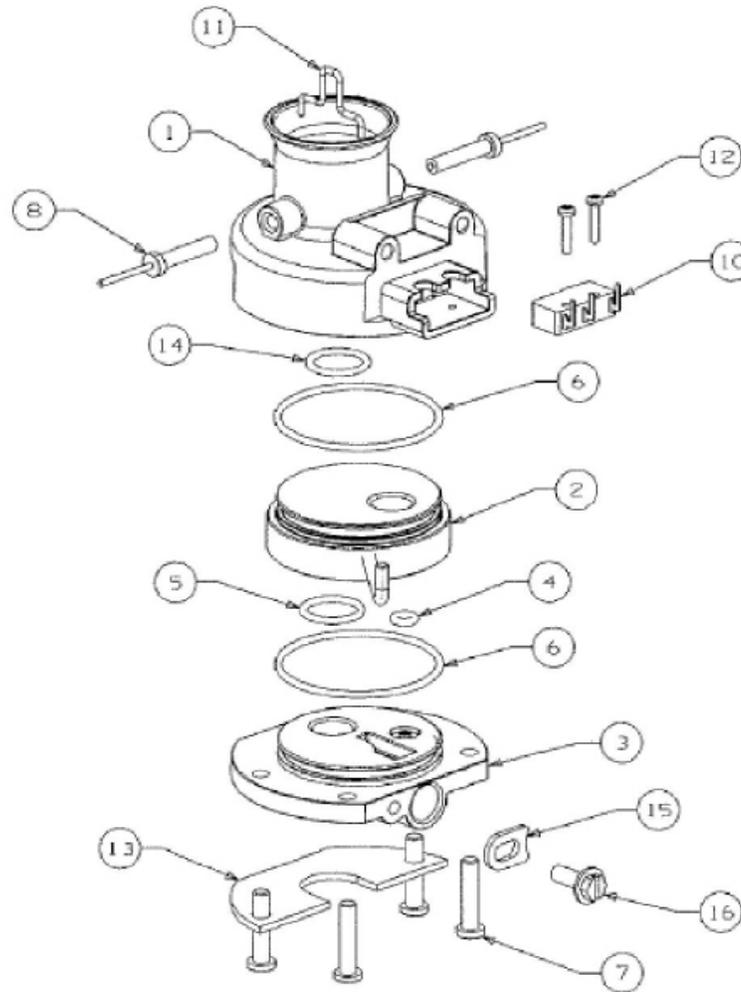


Figure 11.

Table 11. Bottle Adapter Assembly

Item	Part No.	Description
1	45060001	Caddy Adapter, Top
2	45060002	Run & Flush Valve
3	45060003	Caddy Adapter, Bottom
4	620054216	O-RING .120 ID X .080 CS EP 70FDAIL5 QSTE
5	31525064	O-Ring 5/8 inch OD X 0.489 ID TFE/SIL
6	31525061	O-Ring 1.489 inch ID X 0.070 inch DIA
*	45026100	O-Ring Kit (Includes All O-Rings Needed to Rebuild Bottle Adapter)

Table 11. Bottle Adapter Assembly

Item	Part No.	Description
7	07015001	Screw, #8-18 HI-LO, PH
8	45043	Pin-Sensor, Sold Out
10	60068021	Switch, Snap Action W/PC Switch
11	45076	Actuator Pin
12	60067086	Screw, #2-50 6X 7/16 inch PH, SS
13	45084001	Caddy Plate
14	31525014	O-Ring 5/8 inch OD X 0.489 ID
15	71822081	Washer Hold Down
16	07032001	Screw, #8-18 X 7/16 Type "25" HHWF

# VALVE BLOCK ASSEMBLY

## P/N 45508200X

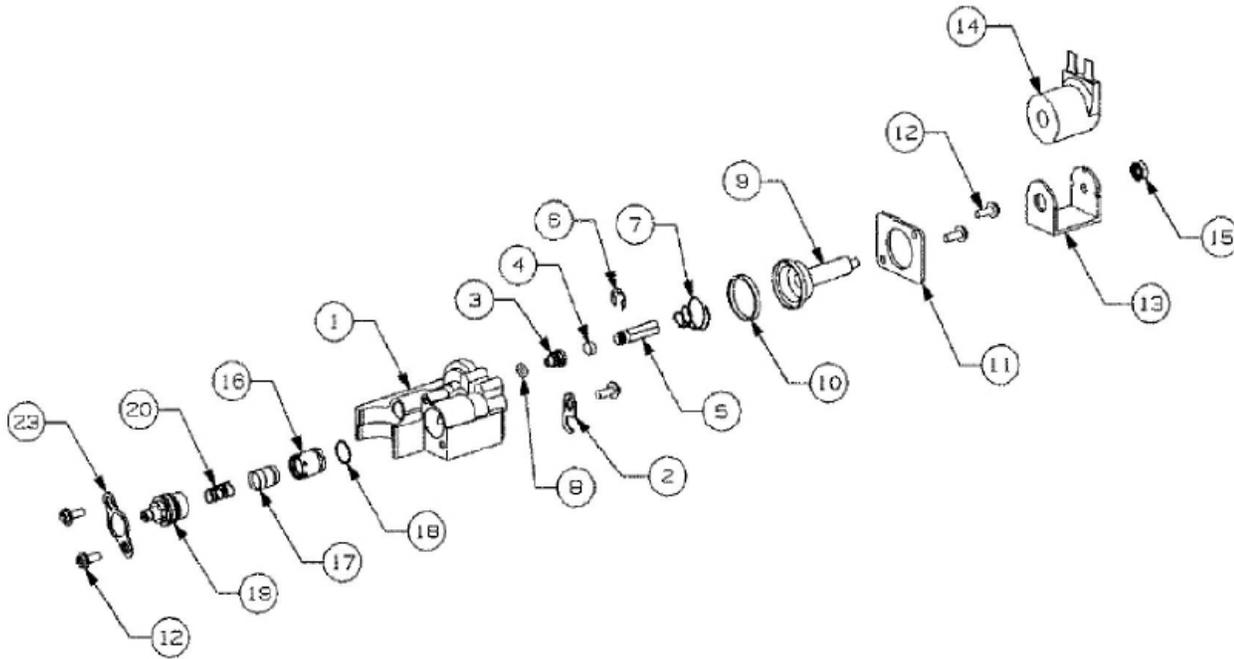


Figure 12.

Table 12. Valve Block Assembly

Table 12. Valve Block Assembly

Item	Part No.	Description
1	45506100	Valve Block
2	45586	Hold Down Washer
3	49612	Valve Port, Water
4	620711131	Seal Armature - Water Side
5	71860290	Armature
6	71815321	Retaining Ring, 0.242 ID
7	18367	Coil Spring, SS
8	740001883	O-ring 459id 040cs Epdm E-16
9	19695001	Guide
10	620710107	Gasket FFV/SEV
11	45518	Bracket, Valve Block
12	07032001	Screw, #8-18 X 7/16" Type "25" HHW
13	16779003	"C" Frame, Solenoid
14	48520001	Coil, 24VDC
15	0720406	Not #10-32 KEPS SS
16	60281001	Sleeve Syrup Ceramic SL
17	60280002	Piston Water Ceramic SL
18	316991000	O-ring Stem
19	7245699	Flow Control/Bonnet Assembly
20	48258005	Spring, Zero, FFV

Item	Part No.	Description
23	45587	Hold Down Washer
*	48979103	Sleeve & Piston Asy Water Ceramic (Include items 16, 17&18)

# ELECTRICAL BOX ASSEMBLY

P/N 720504304

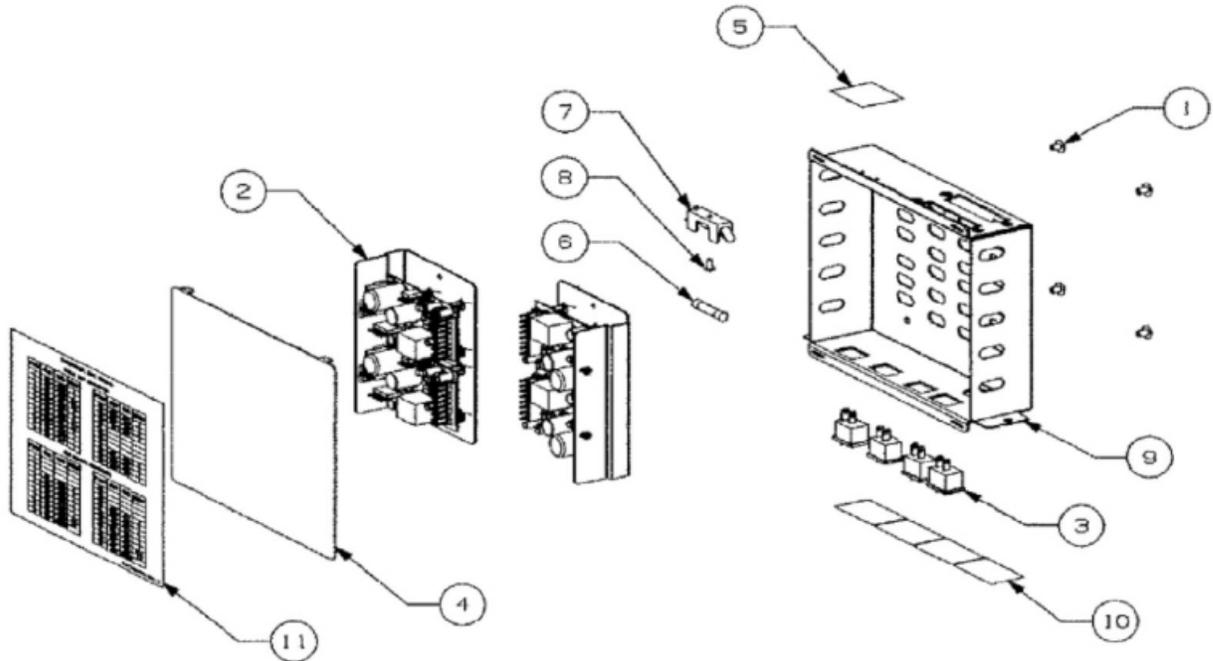


Figure 13.

Table 13. Electrical Box Assembly

Item	Part No.	Description
1	07061003	Screw #10 X 3/8" Type F HHW
2	720504504	Voltage Regulator Assembly
*	45012102	Voltage Regulator Board Only (includes insulator)
3	45432001	Hi/Low Speed Rocker Switch
4	720504414	Cover, Electrical Box
5	45758	Label-Fuse Rating
6	59328001	Fuse, 6.25 Amp, 250 VAC
7	7245059	Fuse Holder
8	734801	Up Rivet
10	45621	Label, Speed Switch
11	720500716	Label Wiring Electrical Box QST 4

# GENERIC BOTTLE ASSEMBLY

P/N 720401107

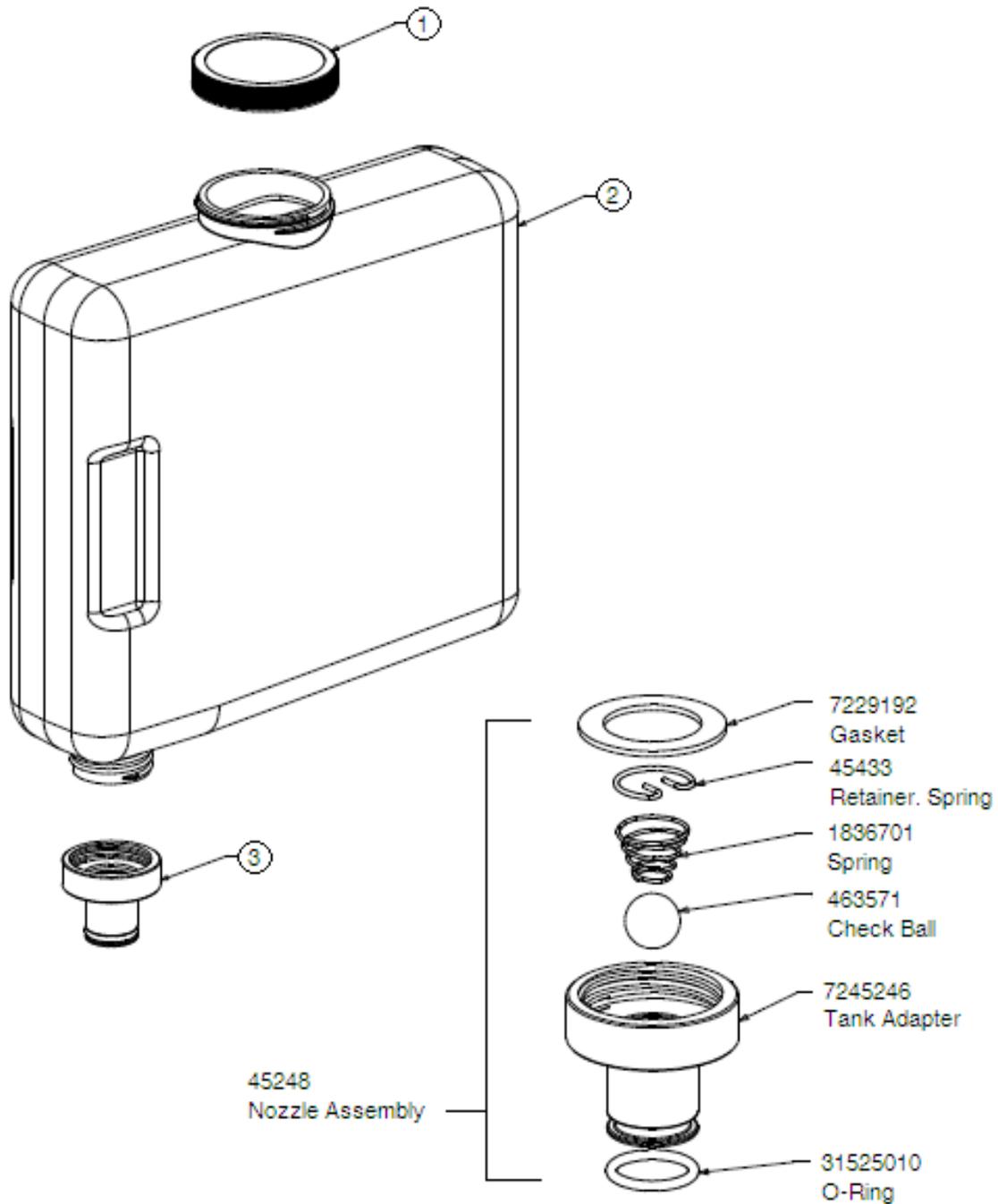


Figure 14.

Table 14. Generic Bottle Assembly

Item	Part No.	Description
1	720202010	Cap 400 Series QST
2	720401106	Bottle Refillable QST
3	45248	Adapter Assembly, Bottle



## RECOMMENDED SPARE PARTS BASED ON 10 UNITS

Qty.	Part No.	Description
1	560004360	Condenser Fan, Motor 115V, 60Hz
1	560004364	Fan Shroud
1	560004368	Grill Fan
1	560004366	Fan Blade
1	560004360	Motor- Fan 08W 120/60 Service
2	18367	Spring, Coil S/S-Water Solenoid
4	45098	Pump Tubing Kit
1	620051427	Switch Rocker Unmarkedv QSTE 2/4FL
1	720301104	Switch Rocker Sealed
2	720521500	Voltage Regulator Board, QLT
2	720504602	Voltage Regulator Board, SLJ
2	45016001	Pump Dear Motor
1	45026100	Bottle Adapter O-Ring Kit (all O-rings in bottle adapter)
1	45728001	Pump Rotor Assembly
1	48520001	Coil, 24 VDC, Valve Block
2	48979103	Spool & Sleeve Assembly W/31525-060 O-Ring
1	440000911	Control Ice Bank Global 120/240V SMPS
1	720520501	Drip Tray Grill
1	720500102	Drip Tray
1	720502800	Agitator Motor
2	720506104	Cabinet Fan, 115 VAC
1	720507101	Dispense Nozzle, Static Mixer, & O-Ring
1	720508801	Push Button Control Board
2	720508802	Portion Control Board
1	620047655	Transformer 120 V 60 Hz 26 V@ 4A2
1	620047891	Valve Water W/solenoid QS T2 2/
1	720500104	Drip-tray Quest Grey 4000
1	729011215	Comp A EA 3417 YXA QS T2 2/4FL
1	720506104	Fan Assembly 115/60/50 4.7X4.7X1.0
1	620054204	Relay, Comp AEA 3417 YXA, 115V/60Hz
1	620054205	Overld,OLP, Comp, AEA 3417 YXA, 115V/60Hz





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